

**Abstract of the Disclosure**

Disclosed is a method and system for providing an elastic drive mechanism in which the compressive force and torque created by the twisting of an elastic member used to power an aircraft are isolated from the fuselage, and specifically isolated from the flight control and aerodynamics surfaces of the aircraft. By isolating the elastic drive mechanism from traditional rearward fixed contact points on the fuselage, the detrimental consequences of these elastic forces are eliminated producing longer, farther and more controlled flights.